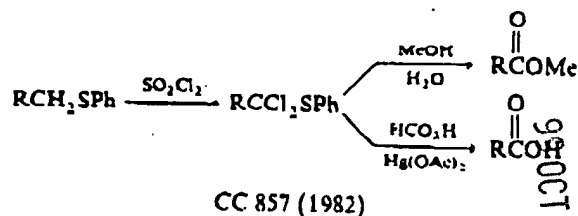
R = H, SiMe₃

n = 3-5

TL 4013 (1977)

JACS 107 4230 (1985)

10. Sulfides



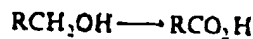
CC 857 (1982)

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11. Alcohols

For alcohol → ester see also page 963, Section 9.

For alkenol → lactone see page 941, Section 8.

CrO₃, HOAc

JACS 78 2255 (1956)

CrO₃, H₂SO₄

JOC 48 4404 (1983)

K₂Cr₂O₇, H₂SO₄

JACS 82 2498 (1960)

(C₂H₅NH)₂Cr₂O₇ (PDC), DMF
(non-allylic)

TL 399 (1979); J8 5311, 6069 (1987)

JACS 104 1774 (1982); JOC 50 2607 (1985)

JOC 50 2607 (1985)

CL 85 (1986)

KMnO₄

JCS 633 (1939); 2685 (1950)

BCSJ 36 1264 (1963)

TL 38 5263 (1987)

KMnO₄ (phase transfer)

TL 1511 (1974)

JACS 109 7280 (1987)

NaMnO₄ · H₂O

TL 22 1655 (1981)

(n-Bu₄N)MnO₄, py (benzylic)

CC 253 (1978)

Zn(MnO₄)₂ · 6 H₂O

J Biol Chem 241 3970 (1966)

JOC 50 5480 (1985)

Cu(MnO₄)₂ · 8 H₂O

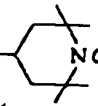
JOC 47 2790 (1982)

NaIO₄, cat RuCl₃ · H₂O, H₂O, CH₃CN, CCl₄

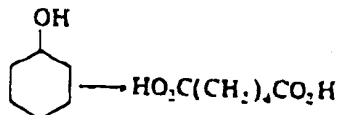
JOC 46 3936 (1981); JOC 50 5696 (1985)

- NaIO_4 , cat RuO_2 , H_2O , CH_3CN , CCl_4 TL 38 6425 (1987)
 H_2IO_6 , cat $\text{RuCl}_3 \cdot \text{H}_2\text{O}$, H_2O , CH_3CN , CCl_4 JOC 50 1560 (1985)
 RuCl_3 , $\text{K}_2\text{S}_2\text{O}_8$ TL 38 4965 (1987)
 RuO_4 JACS 80 6682 (1958)
 cat $\text{K}_2\text{Ru}_2\text{O}_7$, K_2SO_4 CC 58 (1979)
 cat $\text{RuO}_2 \cdot 2 \text{H}_2\text{O}$, electrolysis JOC 51 155 (1986)
 nickel peroxide, NaOH JOC 27 1597 (1962)
 O_2 , cat PtO_2 Ber 89 1648 (1956)
 Tetr 9 67 (1960)
 JOC 52 4898 (1987)

 AgO TL 5685 (1968)
 HNO_3 Org Syn Coll Vol 1 168 (1941)
 H_2O_2 "Hydrogen Peroxide in Organic Chemistry,"
 DuPont (1962), p 57

 NaOCl , cat MeO -,
 KBr , Aliquat 336 JOC 52 2559 (1987)
 electrolysis [$\text{Ni}(\text{OH})_2$ anode] Syn 513 (1979)
 Tetr 38 3299 (1982)

Pseudomonas aeruginosa TL 21 1711 (1980)
 (R = allene, enantioselective) Appl Microbiol Biotechnol 21 258 (1985)



- HNO_3 Rec Trav Chim 24 19 (1905)
 JACS 52 3235 (1930)
 Org Syn Coll Vol 1 18 (1941)

 KMnO_4 Ber 41 575 (1908), 55B 3526 (1922)
 J Chem Ed 10 113 (1933)

 $\text{Ca}(\text{OCl})_2$ TL 23 35 (1982)
 KI , H_2O , electrolysis TL 165 (1979)
 $\text{Na}_2\text{Cr}_2\text{O}_7$, H_2SO_4 Org Syn Coll Vol 1 138 (1941)
 $t\text{-BuO}_2\text{H}$, cat $(\text{PhCH}_2\text{NMe}_3)\text{OMoBr}_4$ TL 25 4417 (1984)
 cat $\text{H}_2\text{Ru}(\text{PPh}_3)_4$ TL 22 5327 (1981)
 JOC 52 4319 (1987)

